

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"4282897".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:48
S2	1	"4456440".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:48
S3	1	"4573886".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:48
S4	2	"2733664".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:49
S5	1	"6918595".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:49
S6	1	"5611681".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:49
S7	1	"3806285".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:50
S8	1	"3981620".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:50
S9	1	"5393434".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:50
S10	2	"2841092".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:51
S11	2	"3489171".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:51
S12	2	"3323467".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:51
S13	1	"4045343".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:52

S14	0	"31480".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:52
S15	1	"4260342".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:53
S16	1	"4097202".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:53
S17	1	"4197875".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:53
S18	0	"3810716pn."	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:53
S19	1	"3810716".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:54
S20	1	"4846218".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:54
S21	2	"3510233".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:54
S22	1	"4008012".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:55
S23	1	"4453898".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 10:55
S24	1	"5584674".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 13:19
S25	24	("3785167" "4109751" "4239461" "4313715" "4371054" "4401418" "4990067").PN. OR ("5584674").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 13:24
S26	24	("3785167" "4109751" "4239461" "4313715" "4371054" "4401418" "4990067").PN. OR ("5584674").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:08

S27	11	("5220811" "5304044" "5496156" "5584674" "5733108" "5888055" "5971720" "5988990" "5992170" "6129522" "6149402").PN. OR ("7381032").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:09
S28	18	("2043849" "3509907" "4988269" "5147189" "5302087" "5346373" "5362216").PN. OR ("5733108").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:14
S29	12	("5938411").PN. OR ("6129522").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:16
S30	17	("4401418" "5584674" "5605447" "5703336" "5733107").PN. OR ("5938411").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:17
S31	44	("1910672").PN. OR ("4109751").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:26
S32	67	("20040179955" "2274459" "2437446" "3006160" "3144754" "3233698" "3323305" "3509907" "3645358" "3663127" "3762837" "3864064" "3876339" "3913703" "3920095" "4061444" "4086032" "4105227" "4356885" "4412791" "4418443" "4671380" "4676515" "4745988" "4758135" "4782858" "4846482" "4854839" "4901760" "4979587" "5101931" "5129793" "5164552" "5199856" "5201643" "5205719" "5214937" "5224840" "5226796" "5238370" "5265646" "5288212" "5341654" "5493080" "5495711" "5496156" "5583325" "5584674" "5596879" "5635687" "5697216" "5723828" "5762479" "5785508" "5899218" "5951261" "5957664" "5996733" "5997258"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:26

		"6935848").PN. OR ("7210912").URPN.				
S33	20	("2297530" "2955671" "4333544" "4755108" "5201640" "5584674" "5647314" "5733106" "5938411" "5950307" "6017197" "6129522" "6149402" "6206135" "6506028" "6520289" "6547535" "6692238"). PN. OR ("7147082").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:28
S34	12	("4730695" "4784583" "5199856" "5208429" "5435700" "5496156" "5584674").PN. OR ("6446454").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:29
S35	13	("20030150670" "4370104" "4412791" "5214937" "5427511" "5542824" "5734134" "5888055" "6017197" "6149402" "6358019" "6446454" "6524080"). PN. OR ("7316291").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:30
S36	23	("2198258" "3044688" "3075686" "3817661" "4281972" "4313715" "4370104" "4401418" "4412791" "5207564" "5252035" "5288212" "5341654" "5344289"). PN. OR ("5435700").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:33
S37	11	("4213414" "4267899" "4313715" "4422525" "4693339" "4784581" "5341654" "5496156" "5804777").PN. OR ("6524080").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:35
S38	25	("4477229" "4582468" "4755108" "4759693" "4784581" "4784583" "4911619" "4960368" "5201640" "5207564" "5224840" "5238370" "5304044" "Re33902"). PN. OR ("5542824").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:36

S39	13	("3129784" "4179883" "4582468" "4730695" "4900234" "5252035" "5263643").PN. OR ("5734134").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:38
S40	10	("5518374" "5636974" "5734134" "5823294" "5893706" "5997257").PN. OR ("6174140").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:39
S41	14	("3864064" "4370104" "4401418" "4784581" "4960368" "5328338" "5496156" "5542824").PN. OR ("5733106").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 14:51
S42	1	("2004/0179955").URPN.	USPAT	ADJ	ON	2008/07/07 15:16
S43	1	"4793775".pn.	USPAT	ADJ	ON	2008/07/07 15:42
S44	19	("2133875" "3187996" "4086032" "4531894" "4606706").PN. OR ("4793775").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 15:43
S45	1	"20020076335"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:03
S46	0	("2002/0076335").URPN.	USPAT	ADJ	ON	2008/07/07 16:04
S47	1	"5647314".pn.	USPAT	ADJ	ON	2008/07/07 16:04
S48	31	("2815742" "3557902" "4109751" "4420063" "4620607" "5164550" "5349141" "5490484").PN. OR ("5647314").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:05
S49	1	"6155800".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:05
S50	1	"4793775".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:06
S51	1	"5201640".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:06
S52	33	("4370104" "4401418" "4415060" "4582468" "4755108" "4759693" "4793775" "4911619" "4960368").PN. OR ("5201640").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:07

S53	1	"6017197".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:07
S54	1	"5971720".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/07 16:07
S55	304	417/254.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 07:45
S56	4	("2889108").URPN.	USPAT	ADJ	ON	2008/07/10 07:54
S57	1	("1773669").URPN.	USPAT	ADJ	ON	2008/07/10 07:59
S58	0	("1171825").URPN.	USPAT	ADJ	ON	2008/07/10 08:12
S59	30	("2185264" "2538842" "2561227" "2678609" "2916998" "3040712" "3330217" "3461805"). PN. OR ("4568249").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 08:28
S60	41	("0411263" "0452537" "0462471" "0730917" "0746344" "1579782" "1586278" "2831325" "3125963" "3220351" "3354790" "3620653" "3806285" "3877841" "4068562" "4568249" "4573886" "4772184" "5011383" "5015158" "5051074" "5094596" "5118265" "5141413" "5209647" "5246355" "5403168").PN. OR ("5622486").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 08:31
S61	3	("1586278").URPN.	USPAT	ADJ	ON	2008/07/10 08:33
S62	158	417/448.ccls.	USPAT	ADJ	ON	2008/07/10 08:44
S63	130	417/451.ccls.	USPAT	ADJ	ON	2008/07/10 09:18
S64	468	417/454.ccls.	USPAT	ADJ	ON	2008/07/10 09:35
S65	17	("1561175" "2828696" "2932312" "3077899" "3206110" "3372648" "3508849" "3526246"). PN. OR ("4193744").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 09:42

S66	42	("1879370" "1979476" "2118317" "2292375" "2439958" "2440216" "2630072" "2931313" "2973629" "3109293" "3145629" "3206110" "3372648" "3623235" "3792939" "3811801" "3994626" "4239463" "4393752" "4447195"). PN. OR ("4576557").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 09:43
S67	15	("2753804" "3203357" "3216365" "3492946"). PN. OR ("3726612").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 10:06
S68	136	417/487.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 10:34
S69	0	("1794356").URPN.	USPAT	ADJ	ON	2008/07/10 10:37
S70	0	valve NEAR seal NEAR synthetic WITH pump	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 13:58
S71	3	valve NEAR seal NEAR synthetic	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 13:59
S72	1	seal NEAR synthetic WITH pump	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 14:00
S73	200	seal NEAR synthetic	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 14:01
S74	40	("3446057" "3855129" "3917531" "3934456"). PN. OR ("4045343").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/10 15:09
S75	237	(277/648).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 13:23
S76	212	(277/649).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 14:21
S77	6	("126624").URPN.	USPAT	OR	OFF	2009/05/29 14:22
S78	16	("785116").URPN.	USPAT	OR	OFF	2009/05/29 14:24
S79	5	("2117807").URPN.	USPAT	OR	OFF	2009/05/29 14:31
S80	10	("2538364").URPN.	USPAT	OR	OFF	2009/05/29 14:38

S81	20	("2996162" "4054293" "4200296" "4335885" "4482129" "4575102" "4577340" "4605233" "4865334" "4988130" "5007513" "5113102" "5238254" "5433454" "5593164" "5683523" "5686941" "5836568" "5836623").PN. OR ("6857635").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 15:17
S82	20	("2996162").URPN.	USPAT	OR	OFF	2009/05/29 15:21
S83	237	(277/612).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 15:39
S84	3	("612394").URPN.	USPAT	OR	OFF	2009/05/29 15:40
S85	5	("3317224").URPN.	USPAT	OR	OFF	2009/05/29 15:52
S86	7	("3542381").URPN.	USPAT	OR	OFF	2009/05/29 15:55
S87	13	("2976543" "3334774" "3775780" "3871034" "4482161" "4908885" "4991858" "5115554" "5377361" "5492372" "6394505").PN. OR ("6644670").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 16:07
S88	9	("3334774").URPN.	USPAT	OR	OFF	2009/05/29 16:11
S89	1492	(277/626).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 16:16
S90	971	S89 and seal\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 16:16
S93	182	S90 and (concave or convex)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 16:19
S94	17	("3206229").URPN.	USPAT	OR	OFF	2009/05/29 16:55
S95	10	("3429581").URPN.	USPAT	OR	OFF	2009/05/29 17:32

S96	72	("2259940" "2882073" "2898131" "2953398" "3244797" "3315971" "3520047" "3584889" "3632732" "3749543" "3806301" "3823216" "3858912" "3998578" "4005968" "4030872" "4107249" "4134949" "4150087" "4157372" "4161384" "4170448" "4177237" "4204823" "4218208" "4239473" "4266926" "4277231" "4279853" "4299412" "4315630" "4331625" "4338716" "4353860" "4362187" "4379115" "4395379" "4428591" "4474726" "4481978" "4545951" "4643658" "4702502" "4723905" "4826028" "4834430" "4865362" "4880579" "4906010" "4915425" "4946206" "4968241" "5064207" "5158389" "5296188" "5324083" "5348051" "5992469" "6082741" "6199592" "6336640" "6948718" "RE29446").PN. OR ("7331582").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 18:39
S97	1492	(277/626).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 19:34
S98	971	S97 and seal\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 19:34
S99	182	S98 and (concave or convex)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 19:34
S100	789	S98 not S99	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 19:34
S101	6	("3537731").URPN.	USPAT	OR	OFF	2009/05/29 20:36

S102	45	("0580049" "3030118" "3083023" "3290047" "3329447" "3479063" "4087097" "4193604" "4335883").PN. OR ("4410186").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 21:00
S103	21	("0037929" "0085392" "1830782" "2403449" "2842385" "2950930" "3029095" "3129021" "3861723" "4640530" "5059748").PN. OR ("6053504").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 21:21
S104	1	"4595495".pn.	USPAT	OR	OFF	2009/05/30 18:57
S105	2	((FRITZ) near2 (GYGER)). INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/30 19:27
S106	1002	(277/644).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 13:58
S107	311	(16/2.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 15:42
S108	395	(277/607).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 16:01
S109	498	(277/585-587).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 17:48
S111	504	packing adj2 plug\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 18:41
S112	65	S111 and concentric	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 18:41
S113	112	S111 and pump\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 18:45
S114	92	S113 not S112	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 18:46
S115	11	bushing with (hemispherical near2 recess\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 18:55
S116	222	(hemispherical near2 surface) with seal\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 18:58

S117	136	S116 and (annular or concentric)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 18:59
S119	383	(annular or concentric) with (contact near2 line\$1) with (convex or concave or dome or conical)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 19:25
S121	45	S119 and seal\$3 and pump \$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 19:26
S122	6	((plug or bushing) adj2 end \$1) with (annular or concentric) with (contact near2 line\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 19:43
S123	200	(285/104).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/31 15:57
S124	469	(285/917).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/31 16:12

EAST Search History (Interference)

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4/ 1/ 2010 12:44:45 PM

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